

CENTRAL INTELLIGENCE AGENCY

REPORT NO.

# INFORMATION REPORT

CD NO.

COUNTRY USSR (Georgian SSR)

DATE DISTR. 12 March 1951

**SUBJECT** Rustavi Metal Working Combine

NO. OF PAGES 10

25X1A

NO. OF ENCLS. 4  
(LISTED BELOW)

SUPPLEMENT TO  
REPORT NO.

25X1X

1. Location :

East of Rustavi (45°01'E/41°34'N), Georgian SSR, immediately southwest of the Tbilisi-Baku railroad line.

2. Observations :

The Transcaucasian Metal Working Plants covered approximately 3 x 2.5 km. The installations northwest of the power plant were closely observed. For plant layout see Annex No. 1; for foundry see Annex No. 2; for coal dump see Annex No. 3.

3. Work force :

- a. About 750 laborers, including 100 convicts and 80 women, working in the workshops northwest of the power plant and north of the rolling mill.

- b. Fifteen hundred PWs and 700 Soviets working on the construction of other installations (September 1949). Laborers, working in auxiliary plants along the railroad line to Baku, are not included.

- c. In 1949 the PWs doing construction work were reported to be between 4,000 and 4,500 in the whole plant area.

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[illegible]

Document No. 01

No Change In Class. ☒

☐ Declassified

**Class. Changed To: TS**

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## 4. Production :

Tanks, similar to those mounted on railroad cars, and structural construction parts for plant requirements. As indicated by shipping tickets, section iron, sheet metals and other component parts arrived from Rostov.

## 5. Open-hearth plant :

Eighty percent of the workshops, most of them steel structures with brick work, concrete foundations, and corrugated sheet-metal roofs, were completed by December 1949. Two open-hearth furnaces, each with a capacity of 100 tons, started operation in January 1949. Being provided for the installation of four open-hearth furnaces, the building had to be enlarged to house the projected six furnaces. The foundations of this construction were completed. One charging crane was also completed with two others under construction. Two smokestacks were at the northern side of the workshop. One collapsed in the Summer of 1949. For sketch of the open-hearth plant see Annex No. 4.

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☐ Comment :

a. The location of the plants under construction was previously determined and is correctly recorded in this report.

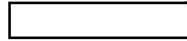
b. Being previously observed in an early stage of construction, the plant layout was not completely covered, and, therefore, the attached sketches and legends are definitely valuable, especially as Annex 1 is the first sketch to give such detailed information. With most of the plant installations located northwest of the power plant, and with this area closely observed by source, it is assumed that the whole sketch approaches facts, particularly as the location of the main plant departments, such as rolling mill, open-hearth plant, and power plant corresponds with previous information. While earlier information reported modern conveyer belts connecting coal bunkers and boiler house of the power plant, this report gives details on the modern coal bunkers of that section (Annex 3).

c. The production of construction materials is still acceptable as true for late 1949. Since later information did not indicate any operation of open-hearth furnaces, the second source must have mistaken a test in January 1949 for real operation.

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- 4 Annexes :
1. Plant layout of the metal working plants in Rustavi.
  2. Foundry
  3. Coal dump
  4. Open-hearth plant.

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Legend to Annex 1 :

A Metal working combine

- 1 Two-story brick building, 20 x 20 x 8 meters, occupied by a firm for electrical installations assigned to construction work
- 2 Garages, 20 x 50 x 10 meters
- 3 Fitting shop and vulcanizing shop, 30 x 20 x 10 meters
- 4 Concrete plant
- 5 Oxygen plant
- 6 Sawmill
- 7 Food depot
- 8 Four buildings under construction
- 9 Asphalt plant, 30 x 10 x 8 meters, working on road constructions in the plant since February 1949
- 10 Carbolineum tank
- 11 Impregnating bath for railroad ties
- 12 Locomotive repair shop, not in operation
- 13 Tank construction shop, 70 x 50 x 18 meters, brick building, operating since the Summer of 1948; tanks, similar to railroad mounted tanks have been manufactured
- 14 Steam heating plant, 20 x 15 x 15 meters, three-story brick building in operation since March 1948.
- 15 Model-making carpenter shop, 50 x 25 x 12 meters, brick building, in operation since the Summer of 1947
- 16 Food depot and fire department, 100 meter long brick building
- 17 Building under construction

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- 18 Forge, ferro-concrete structure, 100 x 40 x 18 meters, operating since 1947
- 19 Foundry, for details see sketch No. 2
- 20 Administration, 50 x 30 x 12 meters, three-story brick building
- 21 Mechanical workshop, 130 x 80 x 20 meters, ferro-concrete building, in operation since the Summer of 1948
- 22 Administration of mechanical workshop, 50 x 30 x 12 meters, three-story brick building, connected with a roofed passage to No. 21.
- 23 Compressor station, 60 x 40 x 15 meters, three-story concrete building with 13 high pillars
- 24 Electrical workshop, long section 13 meters high with basement 3 meters deep, short section 13 meters high; operating since the Fall of 1948
- 25 Several stores and workshops
- 26 Coal dump with conveyer belt (for details see Annex 3).
- 27 Excavations, 40 x 40 x 10 meters, for oil tanks according to Soviet engineers
- 28 Underground concreted canal, 220 cm wide, 2 meters high, with three pipes, one 60 cm in diameter, the two others 24 cm in diameter, connecting the open-hearth plant to the Kura River. The canal has several ventilator shafts (a)
- 29 Administration under construction; foundations completed by September 1949.
- 30 Rolling mill under construction, about 1,000 meters long and 300 meters wide
- 31 Transformer station, 80 x 25 x 15 meters, three-story ferro-concrete structure. operation since February 1949
- 32 Power plant, partially in operation since February 1949, east section still under construction, with two smokestacks, 48 meters high at the northern side of the building.
- 33 Mess hall
- 34 Building under construction

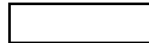
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- 35 Blast furnace, foundation and framework completed by September 1949, with two sets of three air heaters
- 36 Warehouse and office of a construction firm
- 37 Water reservoir
- 38 Building under construction
- 39 Administration of open-hearth plant
- 40 Open-hearth plant under construction, with three smokestacks at the northern side
- 41 Open workshop, roofed with corrugated sheet-metal
- 42 Steel frames with wooden floor, 50 x 50 meters
- 43 Limestone plant under construction
- B PW Camp No. 7181/2
- C PW Camp No. 7181/3
- D Soviet labor camp
- E Barracks and apartment blocks.

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Legend to Annex 2 :

Foundry, ferro-concrete structure, 140 x 100 x 25 meters, with one furnace, in operation since 1948.

- 1 Ore dump
- 2 Coal dump
- 3 Two cranes
- 4 Two sand pits
- 5 Sand drums
- 6 Sand mixer
- 7 Conveyor belt
- 8 Two sets with three preheaters
- 9 Three cast furnaces, one in operation
- 10 Store with finished pieces
- 11 Store
- 12 Funnel of sand dump.
- 13 Two cranes
- 14 Area where castings are polished
- 15 Electrical tilting furnace with two electrodes, production of steel
- 16 Preheater under construction
- 17 Repair shop
- 18 Transformer station
- 19 Two spur tracks

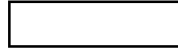
Production of iron grids, 2 x 2 meters, tapered tubes, 6 cm thick, 120 cm long, varying from 30 to 40 cm in diameter.

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Legend to Annex 3 :

- a. Three coal pits with three conveyor belts transporting the coal to another conveyor belt at the southern end of the pits
- b. Two railroad tracks between the pits for coal shipments.

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Legend to Annex 4 :

A Open-hearth plant

- 1 Administration, four-story stone building, 40 x 20 meters
- 2 Mixing shop, iron structure, 200 x 50 x 33 meters, on concrete pillars, covered with corrugated sheet-metal, the sides are not completely filled, subdivided into several bunkers, presumably for coke, lime and pig iron.  
Two railroad spurs, two 15-ton cranes and two 30-ton cranes are available.
- 3 Open-hearth shop, 200 x 60 x 22 meters, with :
  - a. Two open-hearth furnaces, completed in January 1949, and space for two additional furnaces, furnace capacity 100 tons.
  - b. Enlargement for the fifth and sixth open-hearth furnace, foundations completed
  - c. Two smokestacks, 82 meters high, upper half sheet-metal, lower half brick. The smokestack to the south-east collapsed in the Summer of 1949.
  - d. Section with concreted spouts and casting troughs with two-ton capacity supported by heavy iron carriages. Cranes were to be installed
  - e. Two railroad connections
- 4 Workshop, 50 x 50 x 22 meters, iron structure with metal walls, without roof, two railroad connections for loading of slag
- 5 Assumed casting shop, steel structure, 150 x 40 x 22 meters. The side walls are only 5 meters high. The shop has two 15-ton cranes and a railroad connection
- 6 Concrete foundation, 130 x 30 meters, to have concrete pillars for a crane installation

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- 7 Scrap crushing installation under construction
- B Steel structure shop, 100 x 50 meters, with 30-ton swing crane; the building also houses the office of the construction firm
- C PW Camp No. 7181/1
- D PW Camp No. 7181/3.

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